

FIG. 1

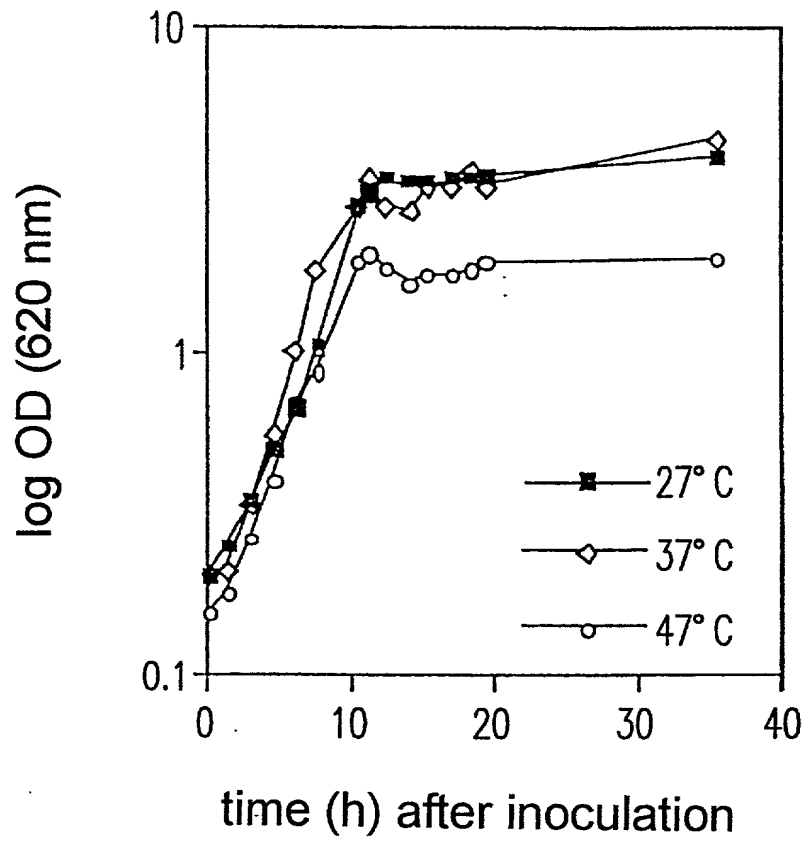
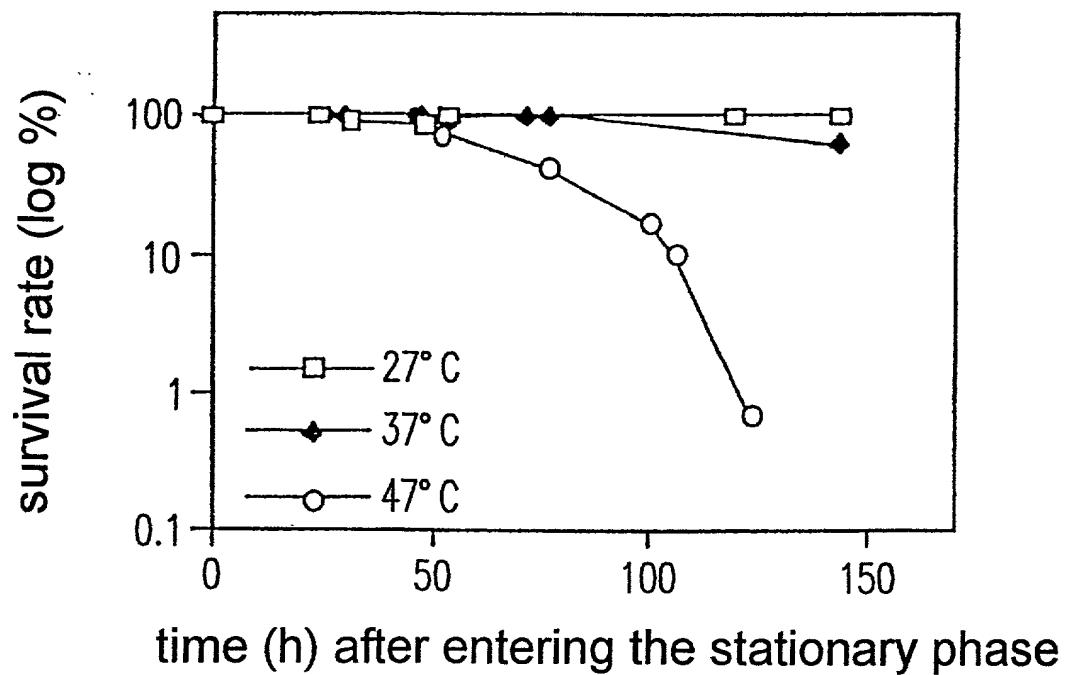


FIG. 2



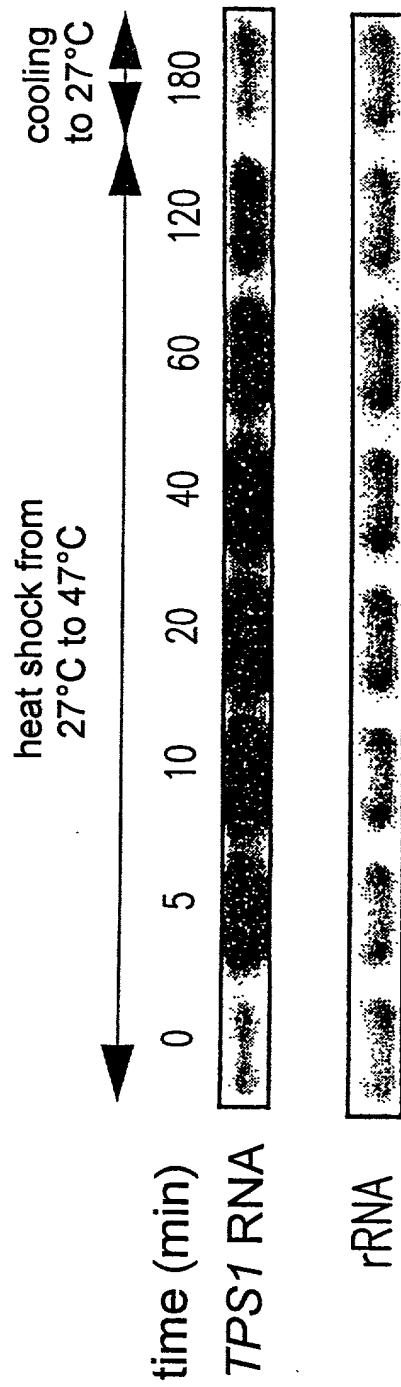


FIG. 3A

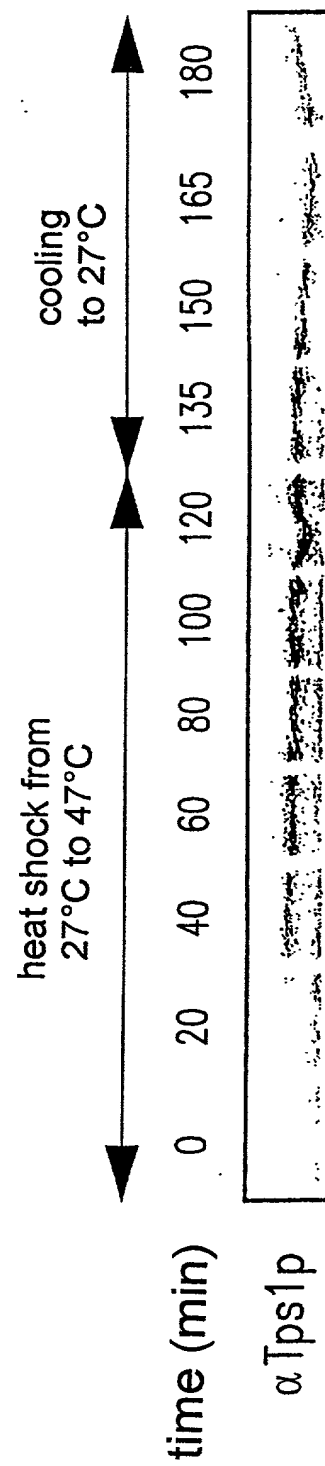


FIG. 3B

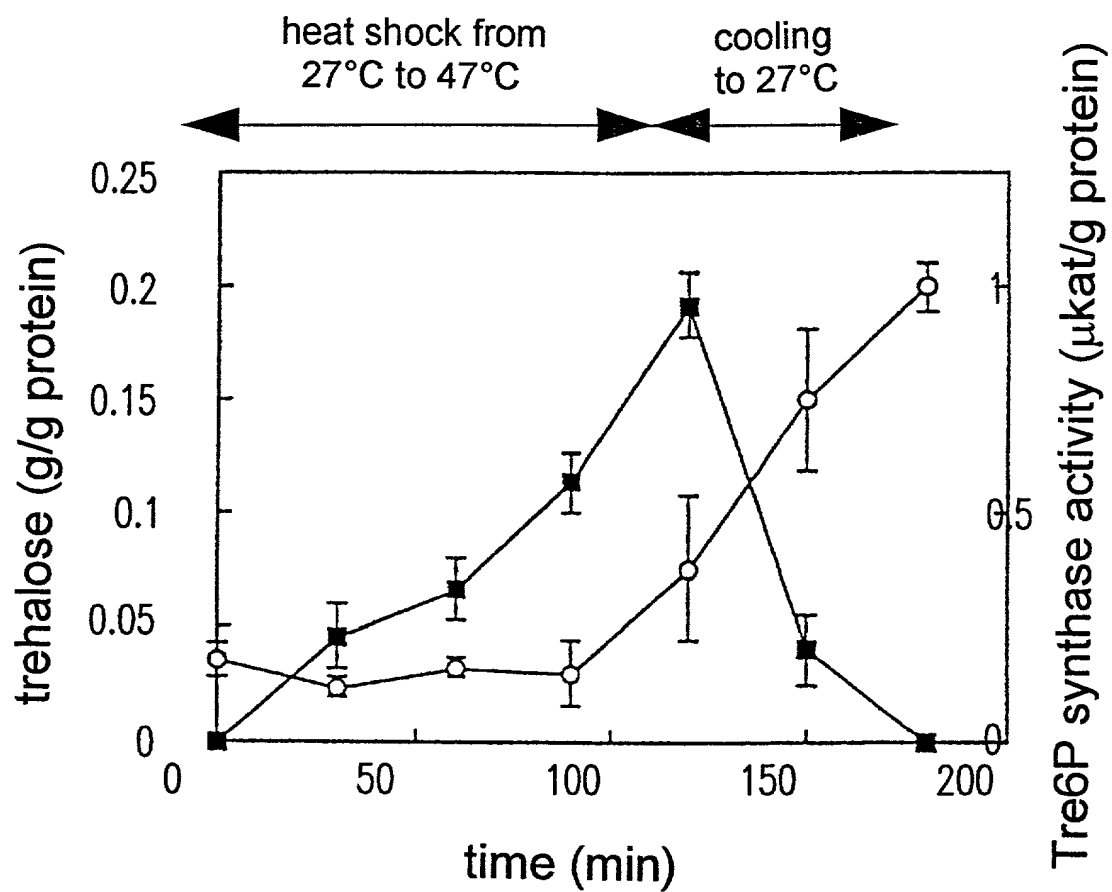


FIG. 3C

FIG. 4A

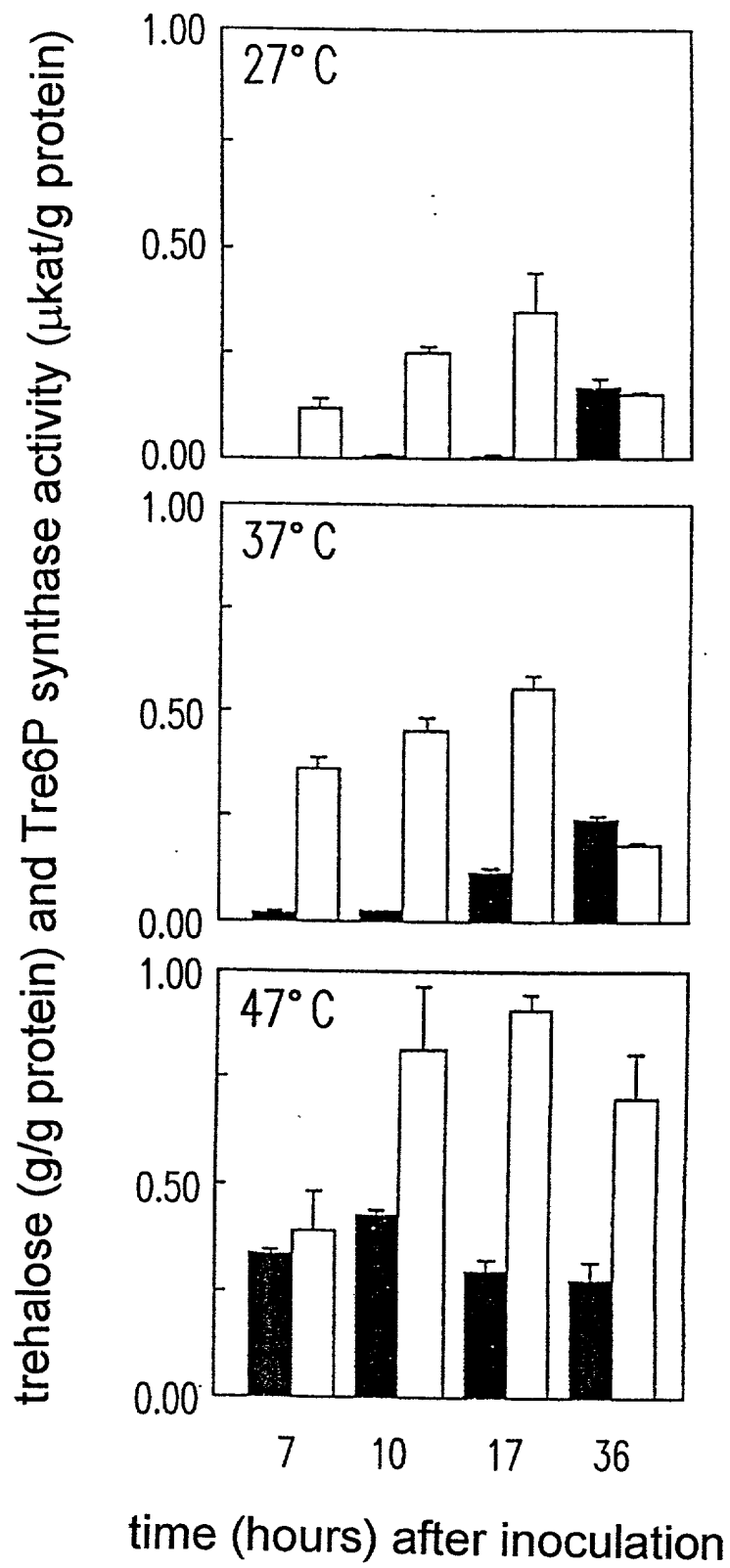


FIG. 4B

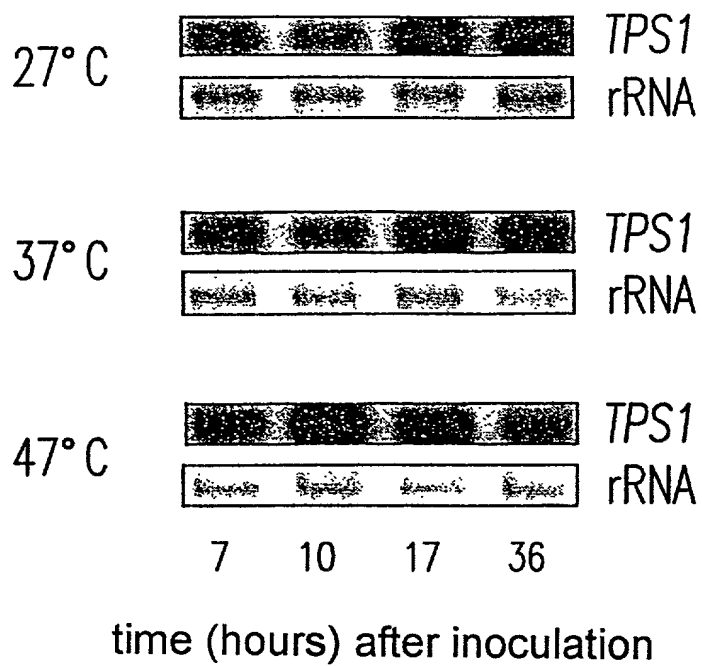
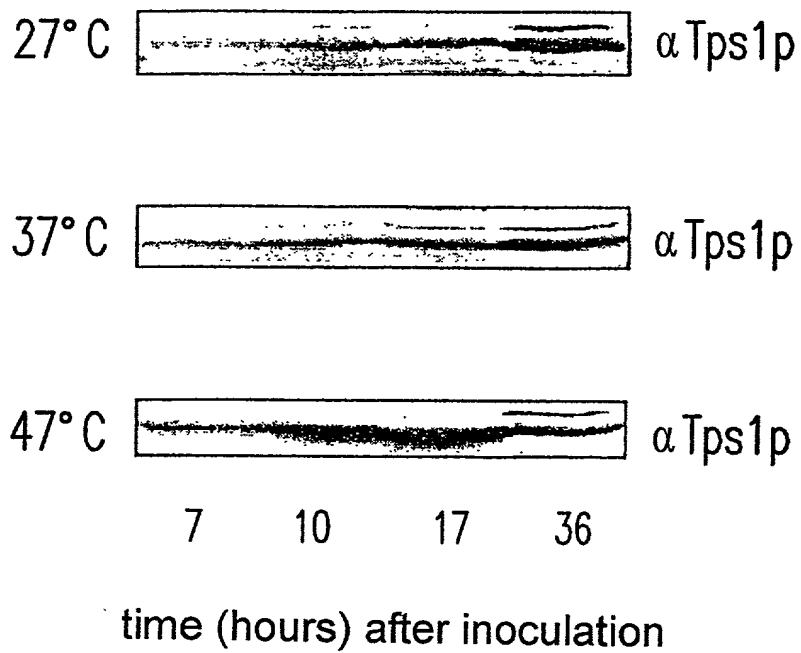


FIG. 4C



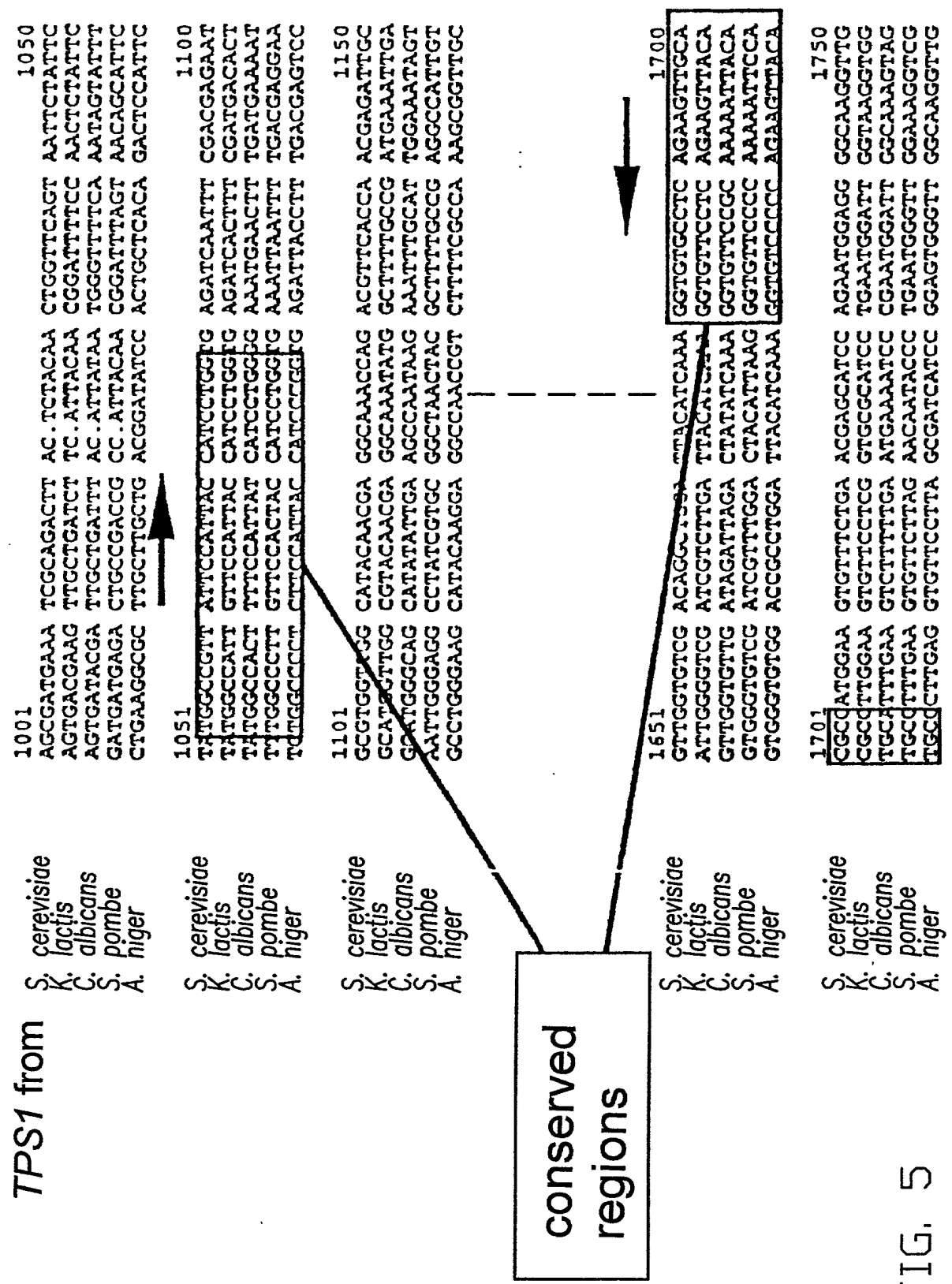


FIG. 5

FIGUR 6

SEQ ID NO:8 (nucleic acid sequence)

SEQ ID NO:7 (amino acid sequence)

-792	CTTAAATACCACAATAGGAAAATTATCAATAAAGCTTTTCGGATTTCATTACGTTATATC	-733
-732	GCAAAAAAATAGTCGAGCTTTCTGAACCGTTTCGTTAATAAAAAAATAGTTTTTTTCAGATT	-673
-672	TCTATGTGAGGCAGTCACGATAGAATTCCATCGAACTCGTCAGCGCCAAATGTGAATGCG	-613
-612	GCTTTCAAAGCTTTGTGCAATTTGGGATGGGAATCCATGAATCGAAGATGTCAAATGG	-553
-552	GGGATCACAAAAGTACACTCACGAGGAAAATCAAACCTTCTCGTACCTTTAACACATAC	-493
-492	GGAAATGATCGATCGATTTGAGAAGATTCCCTCAATGATTTTCGTCATATATAGGTATCTG	-433
-432	AGGTATTTATGGACCGATTCTGAATAACATCATATACATCGCGCTTTGTCCCTGTCCCAG	-373
-372	AGATTTGATGAAAAAAGCGAATTTTATTCTAATATTTGAAGCATGCCAAACATGGGGCA	-313
-312	GTTGATTTGTGTGAGGGTAAAATATCATGAATTGCACCCATCAAATGCAGCAAGATATTG	-253
-252	ACCAATCCTATAATAGAAAACAGACTTACCACAAATAGATTGIGATGACGATATTATGAA	-193
-192	TCTCCAGATGAAAGGCTCGAAAGCTATGAAGCCTCTTGAAACTTTTCATGGTGAGATAAT	-133
-132	ATTTTCGAAATTTCCACGAACTTCTAAAACGCAATTATTGAATATAAAGGAAAAATAATA	-73
-72	TTTCCATATAGCAAGCAAATCAAGCTGCACCTCTCATCCTTAAACTAATAAATCTTACC	-13
-12	CATTTGATACCAATGGTCAAAGGTAATGTTATAGTGGTTTCAAATAGAATCCAGTCACT	48
1	MetValLysGlyAsnValIleValValSerAsnArgIleProValThr	16
49	ATTAAGAAGACTGAAGATGATGAAAATGGAAAATCAAGATACGACTATACAATGTCATCA	108
17	IleLysLysThrGluAspAspGluAsnGlyLysSerArgTyrAspTyrThrMetSerSer	36
109	GGCGGATTAGTGACGGCATTACAAGGGCTCAAAAATCCATTTTCGATGGTTTGGATGGCCT	168
37	GlyGlyLeuValThrAlaLeuGlnGlyLeuLysAsnProPheArgTrpPheGlyTrpPro	56
169	GGGATGTCTGTTGATAGCGAACAGGGACGACAACTGTGAGCGGGATTGTAAGGAAAAG	228
57	GlyMetSerValAspSerGluGlnGlyArgGlnThrValGluArgAspLeuLysGluLys	76
229	TTCAATTGTTATCCGATATGGTTAAGTGACGAAATTGCAGACTTACATTATAACGGCTTT	288
77	PheAsnCysTyrProIleTrpLeuSerAspGluIleAlaAspLeuHisTyrAsnGlyPhe	96
289	AGCAATTCTATACTTTGGCCATTGTTCCACTATCACCCAGGGGAGATGAATTTTGATGAA	348
97	SerAsnSerIleLeuTrpProLeuPheHisTyrHisProGlyGluMetAsnPheAspGlu	116
349	ATTGCTTGGGCCGCTTATTTGGAAGCAAATAAACTGTTTTGCCAAACGATCTTAAAGGAG	408
117	IleAlaTrpAlaAlaTyrLeuGluAlaAsnLysLeuPheCysGlnThrIleLeuLysGlu	136
409	ATAAAAGACGGGGACGTTATCTGGGTACATGATTATCATCTCATGTTGTTGCCTTCACTG	468
137	IleLysAspGlyAspValIleTrpValHisAspTyrHisLeuMetLeuLeuProSerLeu	156
469	CTAAGAGACCAACTTAATAGTAAGGGGCTACCGAATGTCAAATTTGGCTTTTTTCCTTCAT	528
157	LeuArgAspGlnLeuAsnSerLysGlyLeuProAsnValLysIleGlyPhePheLeuHis	176
529	ACTCCTTTTCCTTCAAGCGAAATATACAGGATACTTCCTGTAAGGAAAGAAATTCTCGAA	588
177	ThrProPheProSerSerGluIleTyrArgIleLeuProValArgLysGluIleLeuGlu	196
589	GGAGTGCTTAGTTGTGATTGATAGGTTTCCACACCTATGATTATGTCCGTCACCTTCTT	648
197	GlyValLeuSerCysAspLeuIleGlyPheHisThrTyrAspTyrValArgHisPheLeu	216
649	AGTTCGGTTGAAAGAATATTGAAATTGCGAACGAGCCCAAGGTGTTGTCTATAATGAT	708
217	SerSerValGluArgIleLeuLysLeuArgThrSerProGlnGlyValValTyrAsnAsp	236

FIGUR 6

(cont.)

709	AGACAGGTGACTGTAAAGTGCTTATCCGATTGGCATTGACGTTGACAAATTCTTGAATGGT	768
237	ArgGlnValThrValSerAlaTyrProIleGlyIleAspValAspLysPheLeuAsnGly	256
769	CTTAAGACTGATGAGGTCAAAAGCAGGATAAAACAGCTGGAAACCAGATTGTTGTAAGAT	828
257	LeuLysThrAspGluValLysSerArgIleLysGlnLeuGluThrArgPheGlyLysAsp	276
829	TGTAAACTTATTATTGGGGTGGACAGGCTGGATTACATCAAAGGTGTACCTCAAAACTC	888
277	CysLysLeuIleIleGlyValAspArgLeuAspTyrIleLysGlyValProGlnLysLeu	296
889	CACGCGTTTGAATTTTCTTGGAGAGACACCTGAGTGGATTGGAAAAGTTGTTTGTATA	948
297	HisAlaPheGluIlePheLeuGluArgHisProGluTrpIleGlyLysValValLeuIle	316
949	CAGGTGGCTGTCCCCCTCACGAGGGGACGTTGAAGAATATCAATCTTTGAGGGCAGCTGTA	1008
317	GlnValAlaValProSerArgGlyAspValGluGluTyrGlnSerLeuArgAlaAlaVal	336
1009	AATGAGCTAGTGGGAAGAATCAATGGTAGATTGGTACCGTCGAATTTGTTCTTATCCAT	1068
337	AsnGluLeuValGlyArgIleAsnGlyArgPheGlyThrValGluPheValProIleHis	356
1069	TTCCTTCATAAAAGCGTGAACCTCCAAGAGCTGATATCTGTCTACGCTGCTAGTGATGTT	1128
357	PheLeuHisLysSerValAsnPheGlnGluLeuIleSerValTyrAlaAlaSerAspVal	376
1129	TGTGTAGTGTTCATCGACACGGGACGGAATGAATTTGGTCAGTTATGAATACATTGCTTGT	1188
377	CysValValSerSerThrArgAspGlyMetAsnLeuValSerTyrGluTyrIleAlaCys	396
1189	CAACAAGATCGAAAGGGATCTCTAGTACTAAGTGAATTTGCGGGAGCTGCTCAGTCATTA	1248
397	GlnGlnAspArgLysGlySerLeuValLeuSerGluPheAlaGlyAlaAlaGlnSerLeu	416
1249	AATGGCGCTCTCGTAGTGAATCCATGGAATACAGAAGAACTCAGTGAAGCTATTTACGAA	1308
417	AsnGlyAlaLeuValValAsnProTrpAsnThrGluGluLeuSerGluAlaIleTyrGlu	436
1309	GGCTTGATCATGAGTGAAGAGAAAAGGAGGGGCAATTTTCAGAAGATGTTCAAGTACATT	1368
437	GlyLeuIleMetSerGluGluLysArgArgGlyAsnPheGlnLysMetPheLysTyrIle	456
1369	GAGAAATATACTGCAAGTTATTGGGGAGAGAACTTTGTGAAAGAATTGACGAGAGTGTGA	1428
457	GluLysTyrThrAlaSerTyrTrpGlyGluAsnPheValLysGluLeuThrArgVal	476
1429	TTACTGTGGTTTGCAGGTTAATTTGAAATGTTCACTTGTAAGTGAAGAATTTTATATTAT	1488
1489	ATACATGTTATACATCAATAGGATAAAAATTAAAGTAGACAAAGTTATCATTTTGTGGGC	1548
1549	TGTAAAAATTGAACGATAACAATATATTTGACAAAATTAATTTGATCTAATTGAGCTGGA	1608
1609	GGGCGTAATATATTTGGTTTCCTGAATCATCTGTAGATCACAATATGGGGCAGCTTCTT	1668
1669	TGCAGCCGATCACAGAGAAACACATCACACTTGTCCAACATGATCAGATATCGATTCA	1728
1729	ATCGGGGAAATGCAAGGATACAGGTTGACCATGGAAGACGCGTTCTGTGATTTGAACGAA	1788
1789	AGAATATTCGTGACGGAAGAGGGACTTGACATCAGAAAAACAAGACGAGAATACAGAGGGT	1848
1849	GATCTGGAGTCTCTTCAAATTAACATTTATGGTGTCTTTGACGGACATGGCGGTT	1903

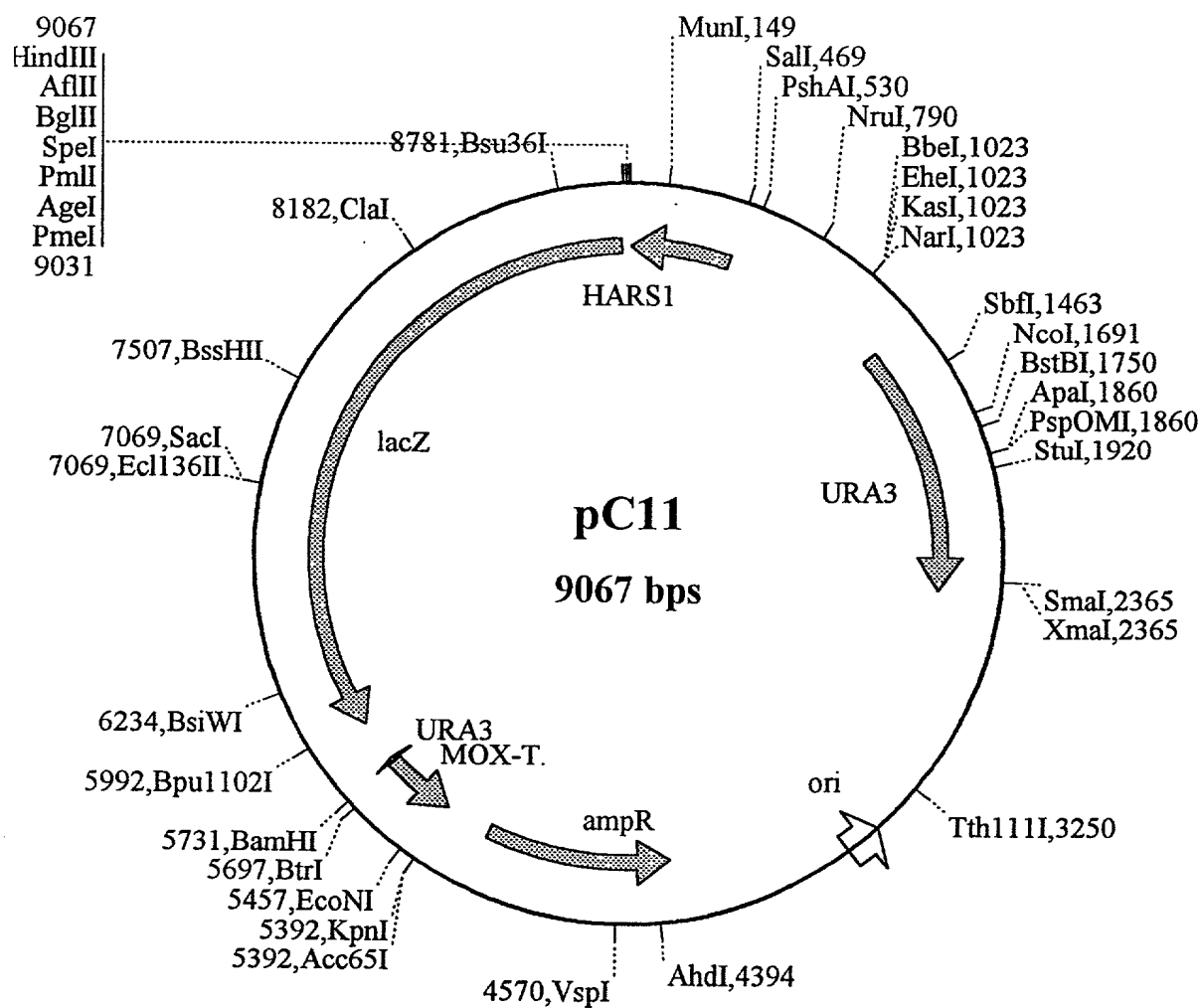


FIG. 7

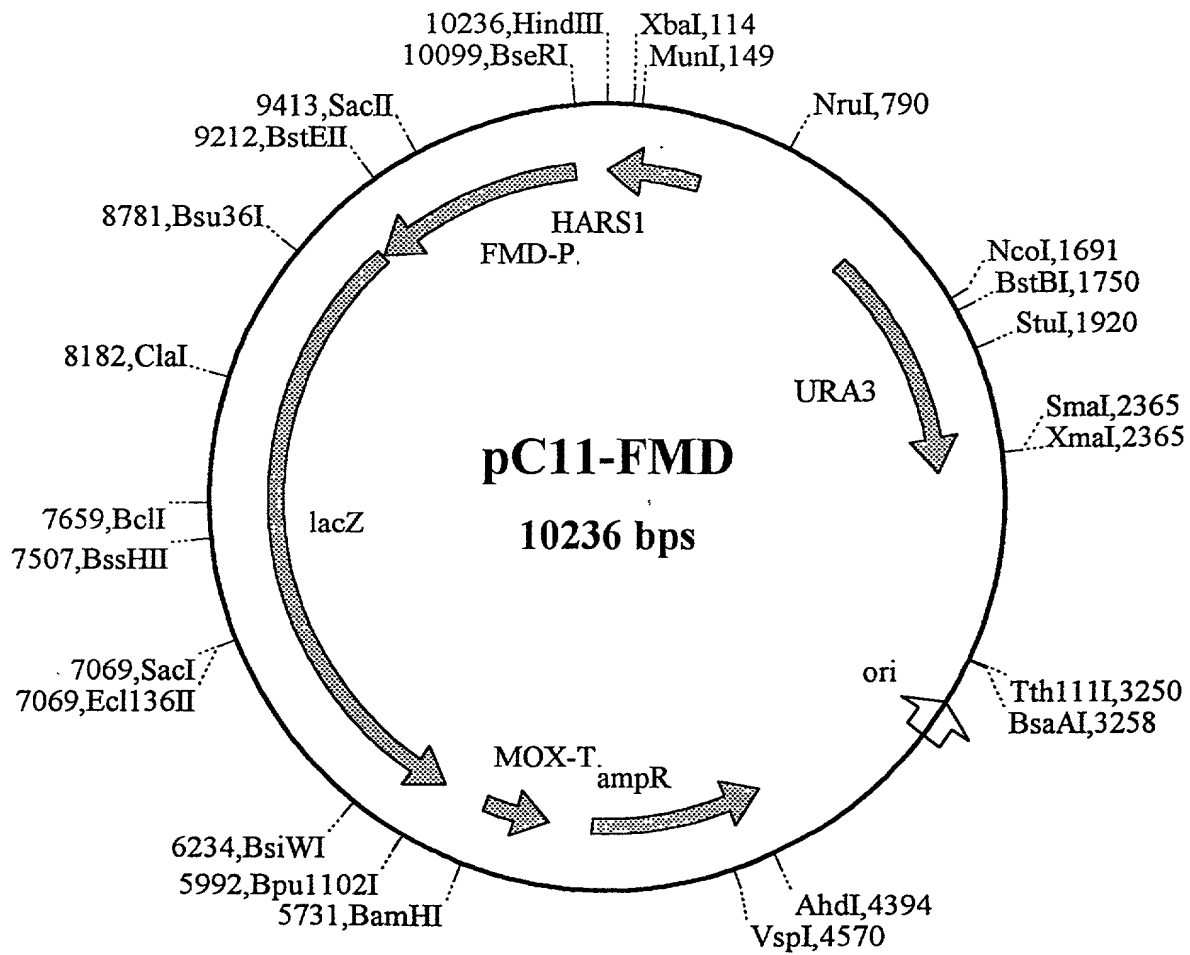


FIG. 8



FIG. 10A

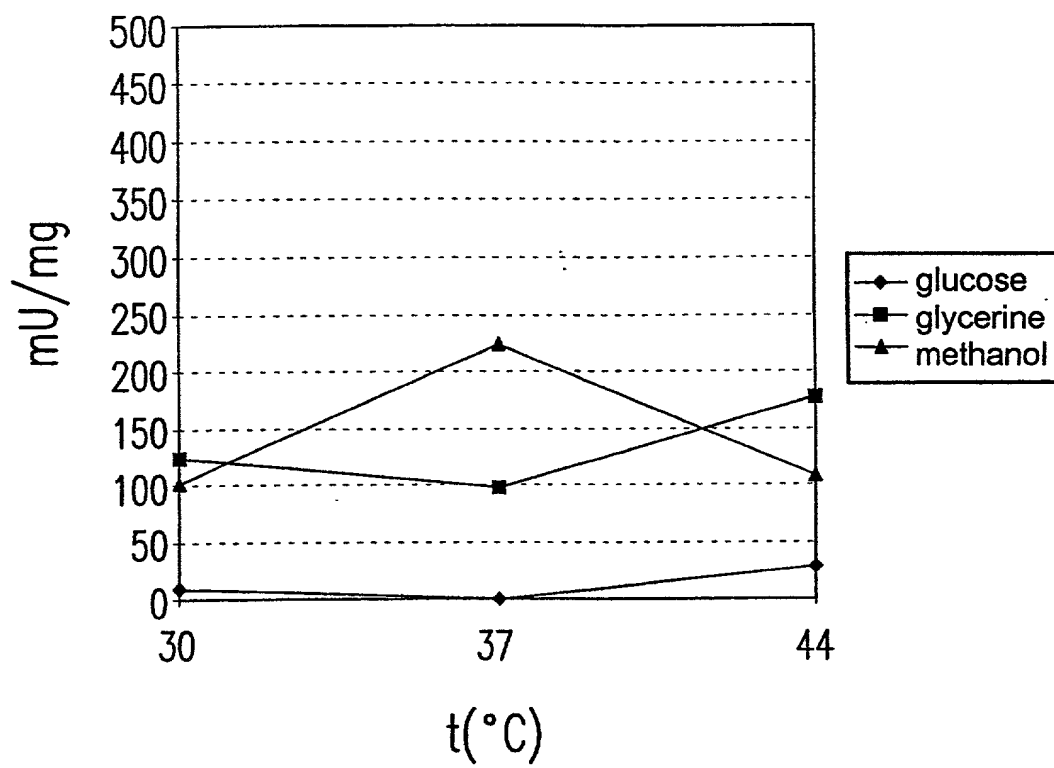
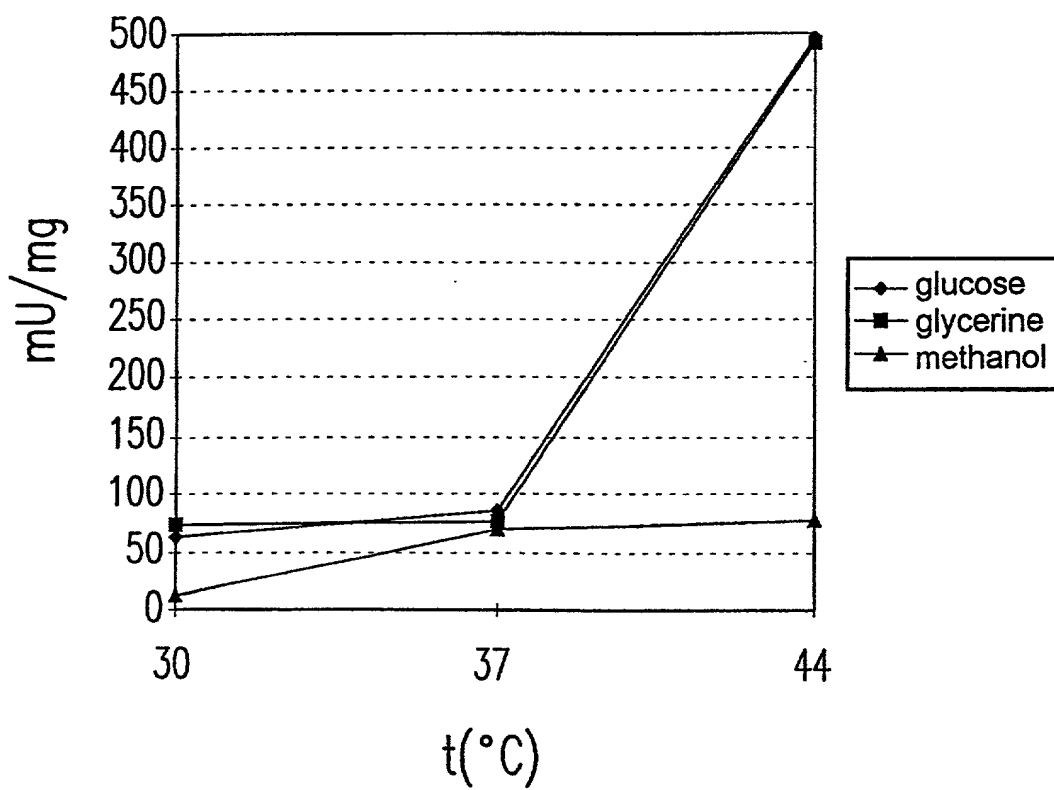


FIG. 10B



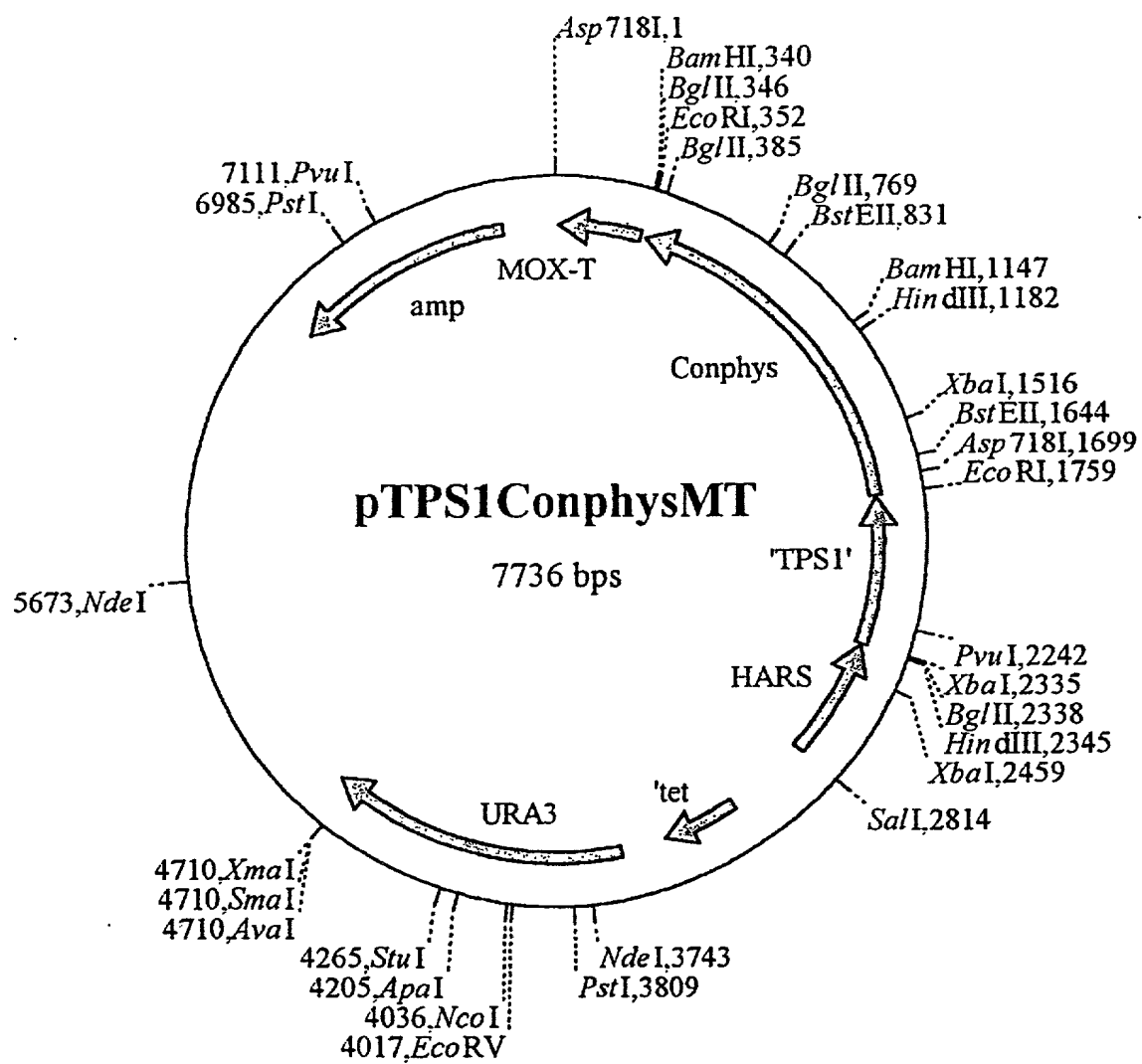


FIG. 11